

Practice

For use with pages 187–191

Find the least common multiple of the numbers.

1. 24, 28

2. 20, 36

3. 42, 63

4. 5, 10, 15

5. 9, 12, 16

6. 14, 21, 35

Find the least common multiple of the monomials.

7. $13b^3$, $7b^2$

8. $8y$, $18y^3$

9. $24a$, $32a^4$

10. $31z^3$, $93z^2$

11. $21m^2n$, $84mn^3$

12. $50s^3t^2$, $60st$

Use the LCD to determine which fraction is greater.

13. $\frac{13}{18}$, $\frac{16}{21}$

14. $\frac{17}{30}$, $\frac{27}{35}$

15. $\frac{19}{34}$, $\frac{19}{36}$

16. $\frac{31}{52}$, $\frac{37}{64}$

17. $\frac{9}{20}$, $\frac{19}{46}$

18. $\frac{15}{34}$, $\frac{29}{51}$

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- 19.** You have dance class every 3 days. Today is Monday, and you have dance class. In how many more days will you have dance class on Monday again? Use the LCM to find your answer. Then check your answer using the calendar shown. On what date will you have dance class on Monday again?

August						
S	M	Tu	W	Th	F	S
	①	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

- 20.** Ginny has two vegetable gardens. In the first garden, Ginny grows tomatoes every 2 years. In the second garden, Ginny grows tomatoes every 3 years. This year, Ginny grows tomatoes in both gardens. In how many years will she grow tomatoes in both gardens again?

Order the numbers from least to greatest.

21. $\frac{19}{6}, 3\frac{5}{14}, \frac{83}{21}$

22. $\frac{71}{9}, \frac{239}{33}, 7\frac{2}{3}$

23. $\frac{11}{4}, 2\frac{16}{17}, \frac{99}{34}$

24. $\frac{47}{8}, \frac{303}{56}, 5\frac{25}{28}$

25. $3\frac{1}{6}, \frac{139}{45}, \frac{55}{18}$

26. $\frac{61}{48}, 1\frac{5}{16}, \frac{31}{24}$

Rewrite the variable expressions with a common denominator.

27. $\frac{c}{8}, \frac{c}{14}$

28. $\frac{3a}{4b}, \frac{b}{10a}$

29. $\frac{4t}{9w^2}, \frac{5}{6wt}$